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FILE 'HOME' ENTERED AT 15:24:24 ON 13 MAY 2010

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COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	1.32	1.32

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STRUCTURE FILE UPDATES: 12 MAY 2010 HIGHEST RN 1222633-86-4
DICTIONARY FILE UPDATES: 12 MAY 2010 HIGHEST RN 1222633-86-4

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L1 STRUCTURE UPLOADED

=> s l1 sss full

FULL SEARCH INITIATED 15:28:16 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 489 TO ITERATE

100.0% PROCESSED 489 ITERATIONS 24 ANSWERS
SEARCH TIME: 00.00.01

L2 24 SEA SSS FUL L1

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	191.54	192.86

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FILE COVERS 1907 - 13 May 2010 VOL 152 ISS 20
FILE LAST UPDATED: 12 May 2010 (20100512/ED)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Feb 2010

USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Feb 2010

CAPLUS now includes complete International Patent Classification (IPC) reclassification data for the second quarter of 2010.

CAS Information Use Policies apply and are available at:

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This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s 12

L3 84 L2

=> s 13 and antibacterial

127633 ANTIBACTERIAL

4133 ANTIBACTERIALS

128838 ANTIBACTERIAL

(ANTIBACTERIAL OR ANTIBACTERIALS)

L4 5 L3 AND ANTIBACTERIAL

=> d 14 1-4 ibib ab hitstr

L4 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 2008:477075 CAPLUS

DOCUMENT NUMBER: 149:99230

TITLE: In vitro anti-biofilm activity of macelignan isolated from *Myristica fragrans* Houtt. against oral primary colonizer bacteria

AUTHOR(S): Yanti; Rukayadi, Yaya; Kim, Kyu-Hoi; Hwang, Jae-Kwan

CORPORATE SOURCE: Department of Biotechnology, Yonsei University, Seoul, 120-749, S. Korea

SOURCE: Phytotherapy Research (2008), 22(3), 308-312

CODEN: PHYREH; ISSN: 0951-418X

PUBLISHER: John Wiley & Sons Ltd.

DOCUMENT TYPE: Journal

LANGUAGE: English

AB In early dental plaque formation, oral primary colonizers such as *Streptococcus mutatis*, *Streptococcus sanguis* and *Actinomyces viscosus* are initially attached to the pellicle-coated tooth surface to form a biofilm. The study aimed to determine the efficacy of macelignan, isolated from nutmeg (*Myristica fragrans* Houtt.), in removing each single oral primary biofilm in vitro on a polystyrene 96-well microtiter plate. Four biofilm growth phases (4, 12, 20 and 24 h) were evaluated in this study after treatment with macelignan at various concns. (0.2, 2 and 10 µg/mL) and exposure times (5, 10 and 30 min). Anti-biofilm activity of macelignan was measured as the percentage of the remaining biofilm absorbance after macelignan treatment in comparison with the untreated control. At 24 h of biofilm growth, *S. mutatis*, *A. viscosus* and *S. sanguis* biofilms were reduced by up to 30%, 30% and 38%, resp., after treatment with 10 µg/mL macelignan for 5 min. Increasing the treatment time to 30 min resulted in a reduction of more than 50% of each of the single primary biofilms. The results indicate that macelignan is a potent natural anti-biofilm agent against oral primary colonizers.

IT 107534-93-0, Macelignan

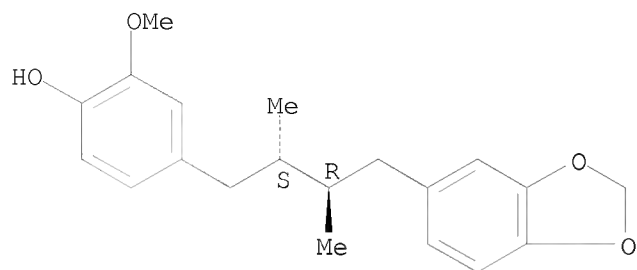
RL: BSU (Biological study, unclassified); NPO (Natural product occurrence); BIOL (Biological study); OCCU (Occurrence)

(in vitro anti-biofilm activity of macelignan isolated from *Myristica fragrans* against oral primary colonizer bacteria)

RN 107534-93-0 CAPLUS

CN Phenol, 4-[(2S,3R)-4-(1,3-benzodioxol-5-yl)-2,3-dimethylbutyl]-2-methoxy-
(CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



OS.CITING REF COUNT: 2 THERE ARE 2 CAPLUS RECORDS THAT CITE THIS RECORD
(2 CITINGS)
REFERENCE COUNT: 20 THERE ARE 20 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 2008:149861 CAPLUS

DOCUMENT NUMBER: 148:466894

TITLE: Antibacterial lignans and triterpenoids from
Rostellularia procumbens

AUTHOR(S): Zhang, Yongli; Bao, Fukai; Hu, Juanjuan; Liang,
Shengwang; Zhang, Yu; Du, Guanhua; Zhang, Caijun;
Cheng, Yongxian

CORPORATE SOURCE: State Key Laboratory of Phytochemistry and Plant
Resources in West China, Kunming Institute of Botany,
Chinese Academy of Sciences, Kunming, Peop. Rep. China
SOURCE: Planta Medica (2007), 73(15), 1596-1599
CODEN: PLMEAA; ISSN: 0032-0943

PUBLISHER: Georg Thieme Verlag

DOCUMENT TYPE: Journal

LANGUAGE: English

AB One new lignan, rostellulin A (1), four known lignans, justin B (2),
justicidin C (3), cilinaphthalide A (4), and justicidin A (5), and four
known triterpenoids, ursolic acid (6), euscaphic acid (7),
2 α -hydroxyursolic acid (8), and tormentic acid (9), have been
isolated from the whole plants of Rostellularia procumbens. Their
structures were established on the basis of spectral data, including
extensive NMR expts. To our knowledge, compds. 6-9 are known compds. but
not previously isolated from R. procumbens; 4 was previously reported from
other Rostellularia species. Antibacterial activities of 1-9
were evaluated against eight bacterial strains with the agar dilution method,
and they were found to possess antimicrobial activity with MIC values in
the range of 1.56-100 μ g/mL. None of the lignans exhibited cytotoxic
activity against HCT-8 and Bel-7402 cells at concns. up to 5 μ g/mL.

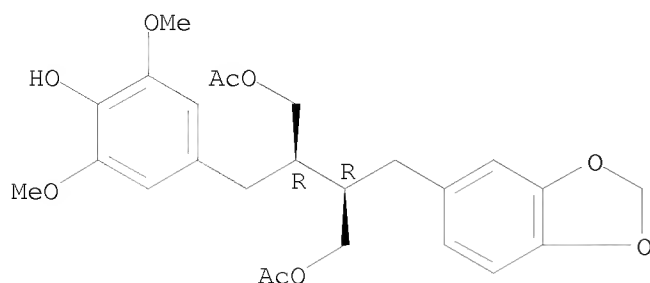
IT 202655-27-4P, Justin B

RL: BSU (Biological study, unclassified); NPO (Natural product
occurrence); PUR (Purification or recovery); BIOL (Biological study); OCCU
(Occurrence); PREP (Preparation)
(isolation and identification of antibacterial lignans and
triterpenoids from Rostellularia procumbens)

RN 202655-27-4 CAPLUS

CN 1,4-Butanediol, 2-(1,3-benzodioxol-5-ylmethyl)-3-[(4-hydroxy-3,5-
dimethoxyphenyl)methyl]-, 1,4-diacetate, (2R,3R)- (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).



OS.CITING REF COUNT: 3 THERE ARE 3 CAPLUS RECORDS THAT CITE THIS RECORD (3 CITINGS)
REFERENCE COUNT: 19 THERE ARE 19 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 2006:398671 CAPLUS

DOCUMENT NUMBER: 146:4016

TITLE: Anticariogenic activity of macelignan isolated from *Myristica fragrans* (nutmeg) against *Streptococcus mutans*

AUTHOR(S): Chung, J. Y.; Choo, J. H.; Lee, M. H.; Hwang, J. K.

CORPORATE SOURCE: Department of Biomaterials Science and Engineering, Yonsei University, Seoul, S. Korea

SOURCE: Phytomedicine (2006), 13(4), 261-266

CODEN: PYTOEY; ISSN: 0944-7113

PUBLISHER: Elsevier GmbH

DOCUMENT TYPE: Journal

LANGUAGE: English

AB The occurrence of dental caries is mainly associated with oral pathogens, especially cariogenic *Streptococcus mutans*. Preliminary antibacterial screening revealed that the extract of *Myristica fragrans*, widely cultivated for the spice and flavor of foods, possessed strong inhibitory activity against *S. mutans*. The anticariogenic compound was successfully isolated from the methanol extract of *M. fragrans* by repeated silica gel chromatog., and its structure was identified as macelignan by instrumental anal. using 1D-NMR, 2D-NMR and EI-MS. The min. inhibitory concentration (MIC) of macelignan against *S. mutans* was 3.9 µg/mL, which was much lower than those of other natural anticariogenic agents such as 15.6 µg/mL of sanguinarine, 250 µg/mL of eucalyptol, 500 µg/mL of menthol and thymol, and 1000 µg/mL of Me salicylate. Macelignan also possessed preferential activity against other oral microorganisms such as *Streptococcus sobrinus*, *Streptococcus salivarius*, *Streptococcus sanguis*, *Lactobacillus acidophilus* and *Lactobacillus casei* in the MIC range of 2-31.3 µg/mL. In particular, the bactericidal test showed that macelignan, at a concentration of 20 µg/mL, completely inactivated *S. mutans* in 1 min. The specific activity and fast-effectiveness of macelignan against oral bacteria strongly suggest that it could be employed as a natural antibacterial agent in functional foods or oral care products.

IT 107534-93-0, Macelignan

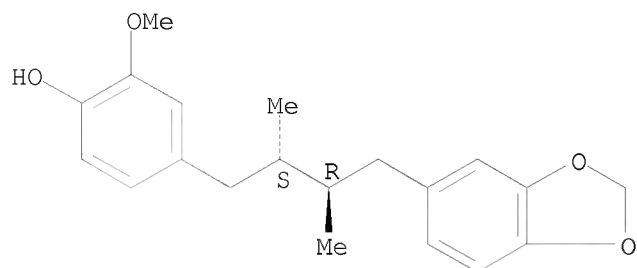
RL: BSU (Biological study, unclassified); NPO (Natural product occurrence); THU (Therapeutic use); BIOL (Biological study); OCCU (Occurrence); USES (Uses)

(anticariogenic activity of macelignan isolated from *Myristica fragrans* (nutmeg) against *Streptococcus mutans*)

RN 107534-93-0 CAPLUS

CN Phenol, 4-[(2S,3R)-4-(1,3-benzodioxol-5-yl)-2,3-dimethylbutyl]-2-methoxy-
(CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



OS.CITING REF COUNT: 19 THERE ARE 19 CAPLUS RECORDS THAT CITE THIS
RECORD (19 CITINGS)
REFERENCE COUNT: 33 THERE ARE 33 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 2005:696726 CAPLUS
DOCUMENT NUMBER: 143:159638
TITLE: Method and composition for treating acne using lignan
compounds
INVENTOR(S): Hwang, Jae-Kwan; Chung, Jae-Youn; Chung, Hee-Chul;
Park, Kyung-Min
PATENT ASSIGNEE(S): Newtree Industry Co., Ltd., S. Korea
SOURCE: PCT Int. Appl., 33 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 2005070402	A1	20050804	WO 2005-KR45	20050107
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
KR 2005073027	A	20050713	KR 2004-1207	20040108
JP 2007524666	T	20070830	JP 2006-549118	20050107
US 20090192217	A1	20090730	US 2006-585553	20060706
CN 101410100	A	20090415	CN 2005-80002069	20060707
PRIORITY APPLN. INFO.:			KR 2004-1207	A 20040108
			WO 2005-KR45	W 20050107

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

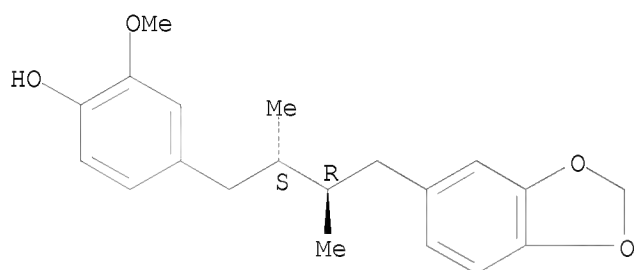
OTHER SOURCE(S): MARPAT 143:159638

AB The present invention relates to a method and composition for treating acne
using lignan compds. represented by Formula 1. More particularly, the

invention relates to an antibacterial composition against acne-causing bacteria, containing lignan compds., as well as a method for treating acne using the same. The lignan compds. of the invention are excellent not only in the antibacterial activity of inhibiting the growth of acne-causing bacteria, but also in thermal stability. Accordingly, the lignan compds. may be useful as antibacterial agents against the acne-causing bacteria, and acne treatment agents.

IT 107534-93-0, Macelignan
 RL: COS (Cosmetic use); PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
 (treating acne using lignan compds.)
 RN 107534-93-0 CAPLUS
 CN Phenol, 4-[(2S,3R)-4-(1,3-benzodioxol-5-yl)-2,3-dimethylbutyl]-2-methoxy-
 (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



OS.CITING REF COUNT: 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD
 (1 CITINGS)
 REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS
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(FILE 'HOME' ENTERED AT 15:24:24 ON 13 MAY 2010)

FILE 'REGISTRY' ENTERED AT 15:27:49 ON 13 MAY 2010

L1 STRUCTURE UPLOADED
 L2 24 S L1 SSS FULL

FILE 'CAPLUS' ENTERED AT 15:28:21 ON 13 MAY 2010

L3 84 S L2
 L4 5 S L3 AND ANTIBACTERIAL

=> s l3 and acne

9694 ACNE
 2137 ACNES
 11111 ACNE
 (ACNE OR ACNES)

L5 1 L3 AND ACNE

=> s l3 and staphylococcus

89735 STAPHYLOCOCCUS
 1 STAPHYLOCOCCUSES
 89735 STAPHYLOCOCCUS
 (STAPHYLOCOCCUS OR STAPHYLOCOCCUSES)

L6 3 L3 AND STAPHYLOCOCCUS

=> d 16 1-3 ibib ab hitstr

L6 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 2008:149861 CAPLUS

DOCUMENT NUMBER: 148:466894

TITLE: Antibacterial lignans and triterpenoids from
Rostellularia procumbens

AUTHOR(S): Zhang, Yongli; Bao, Fukai; Hu, Juanjuan; Liang,
Shengwang; Zhang, Yu; Du, Guanhua; Zhang, Caijun;
Cheng, Yongxian

CORPORATE SOURCE: State Key Laboratory of Phytochemistry and Plant
Resources in West China, Kunming Institute of Botany,
Chinese Academy of Sciences, Kunming, Peop. Rep. China
SOURCE: Planta Medica (2007), 73(15), 1596-1599
CODEN: PLMEAA; ISSN: 0032-0943

PUBLISHER: Georg Thieme Verlag

DOCUMENT TYPE: Journal

LANGUAGE: English

AB One new lignan, rostellulin A (1), four known lignans, justin B (2),
justicidin C (3), cilinaphthalide A (4), and justicidin A (5), and four
known triterpenoids, ursolic acid (6), euscaphic acid (7),
2 α -hydroxyursolic acid (8), and tormentic acid (9), have been
isolated from the whole plants of Rostellularia procumbens. Their
structures were established on the basis of spectral data, including
extensive NMR expts. To our knowledge, compds. 6-9 are known compds. but
not previously isolated from R. procumbens; 4 was previously reported from
other Rostellularia species. Antibacterial activities of 1-9 were
evaluated against eight bacterial strains with the agar dilution method, and
they were found to possess antimicrobial activity with MIC values in the
range of 1.56-100 μ g/mL. None of the lignans exhibited cytotoxic
activity against HCT-8 and Bel-7402 cells at concns. up to 5 μ g/mL.

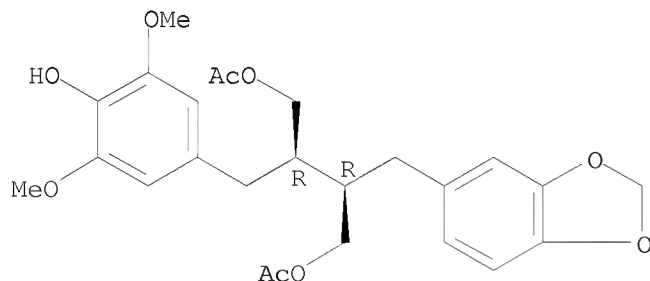
IT 202655-27-4P, Justin B

RL: BSU (Biological study, unclassified); NPO (Natural product
occurrence); PUR (Purification or recovery); BIOL (Biological study); OCCU
(Occurrence); PREP (Preparation)
(isolation and identification of antibacterial lignans and
triterpenoids from Rostellularia procumbens)

RN 202655-27-4 CAPLUS

CN 1,4-Butanediol, 2-(1,3-benzodioxol-5-ylmethyl)-3-[(4-hydroxy-3,5-
dimethoxyphenyl)methyl]-, 1,4-diacetate, (2R,3R)- (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).



OS.CITING REF COUNT: 3 THERE ARE 3 CAPLUS RECORDS THAT CITE THIS RECORD
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L6 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2010 ACS on STN

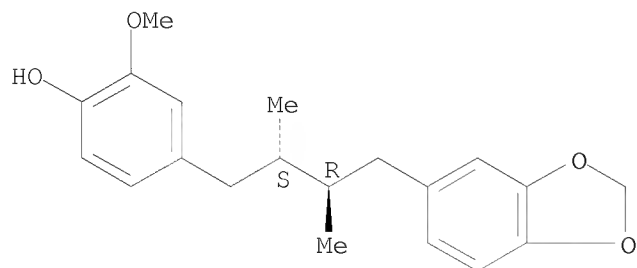
ACCESSION NUMBER: 2006:398671 CAPLUS
 DOCUMENT NUMBER: 146:4016
 TITLE: Anticariogenic activity of macelignan isolated from *Myristica fragrans* (nutmeg) against *Streptococcus mutans*
 AUTHOR(S): Chung, J. Y.; Choo, J. H.; Lee, M. H.; Hwang, J. K.
 CORPORATE SOURCE: Department of Biomaterials Science and Engineering, Yonsei University, Seoul, S. Korea
 SOURCE: Phytomedicine (2006), 13(4), 261-266
 CODEN: PYTOEY; ISSN: 0944-7113
 PUBLISHER: Elsevier GmbH
 DOCUMENT TYPE: Journal
 LANGUAGE: English

AB The occurrence of dental caries is mainly associated with oral pathogens, especially cariogenic *Streptococcus mutans*. Preliminary antibacterial screening

revealed that the extract of *Myristica fragrans*, widely cultivated for the spice and flavor of foods, possessed strong inhibitory activity against *S. mutans*. The anticariogenic compound was successfully isolated from the methanol extract of *M. fragrans* by repeated silica gel chromatog., and its structure was identified as macelignan by instrumental anal. using 1D-NMR, 2D-NMR and EI-MS. The min. inhibitory concentration (MIC) of macelignan against *S. mutans* was 3.9 µg/mL, which was much lower than those of other natural anticariogenic agents such as 15.6 µg/mL of sanguinarine, 250 µg/mL of eucalyptol, 500 µg/mL of menthol and thymol, and 1000 µg/mL of Me salicylate. Macelignan also possessed preferential activity against other oral microorganisms such as *Streptococcus sobrinus*, *Streptococcus salivarius*, *Streptococcus sanguis*, *Lactobacillus acidophilus* and *Lactobacillus casei* in the MIC range of 2-31.3 µg/mL. In particular, the bactericidal test showed that macelignan, at a concentration of 20 µg/mL, completely inactivated *S. mutans* in 1 min. The specific activity and fast-effectiveness of macelignan against oral bacteria strongly suggest that it could be employed as a natural antibacterial agent in functional foods or oral care products.

IT 107534-93-0, Macelignan
 RL: BSU (Biological study, unclassified); NPO (Natural product occurrence); THU (Therapeutic use); BIOL (Biological study); OCCU (Occurrence); USES (Uses)
 (anticariogenic activity of macelignan isolated from *Myristica fragrans* (nutmeg) against *Streptococcus mutans*)
 RN 107534-93-0 CAPLUS
 CN Phenol, 4-[(2S,3R)-4-(1,3-benzodioxol-5-yl)-2,3-dimethylbutyl]-2-methoxy- (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



OS.CITING REF COUNT: 19 THERE ARE 19 CAPLUS RECORDS THAT CITE THIS RECORD (19 CITINGS)

REFERENCE COUNT: 33 THERE ARE 33 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 2005:696726 CAPLUS

DOCUMENT NUMBER: 143:159638

TITLE: Method and composition for treating acne using lignan compounds

INVENTOR(S): Hwang, Jae-Kwan; Chung, Jae-Youn; Chung, Hee-Chul; Park, Kyung-Min

PATENT ASSIGNEE(S): Newtree Industry Co., Ltd., S. Korea

SOURCE: PCT Int. Appl., 33 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 2005070402	A1	20050804	WO 2005-KR45	20050107
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
KR 2005073027	A	20050713	KR 2004-1207	20040108
JP 2007524666	T	20070830	JP 2006-549118	20050107
US 20090192217	A1	20090730	US 2006-585553	20060706
CN 101410100	A	20090415	CN 2005-80002069	20060707
PRIORITY APPLN. INFO.:			KR 2004-1207	A 20040108
			WO 2005-KR45	W 20050107

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

OTHER SOURCE(S): MARPAT 143:159638

AB The present invention relates to a method and composition for treating acne using lignan compds. represented by Formula 1. More particularly, the invention relates to an antibacterial composition against acne-causing bacteria, containing lignan compds., as well as a method for treating acne using the same. The lignan compds. of the invention are excellent not only in the antibacterial activity of inhibiting the growth of acne-causing bacteria, but also in thermal stability. Accordingly, the lignan compds. may be useful as antibacterial agents against the acne-causing bacteria, and acne treatment agents.

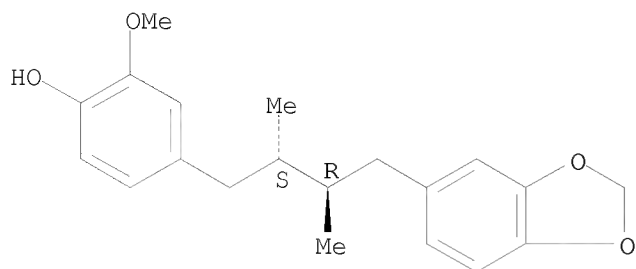
IT 107534-93-0, Macelignan

RL: COS (Cosmetic use); PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(treating acne using lignan compds.)

RN 107534-93-0 CAPLUS

CN Phenol, 4-[(2S,3R)-4-(1,3-benzodioxol-5-yl)-2,3-dimethylbutyl]-2-methoxy-
(CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



OS.CITING REF COUNT: 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD
(1 CITINGS)
REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> s macelignan
32 MACELIGNAN
1 MACELIGNANS
L7 33 MACELIGNAN
(MACELIGNAN OR MACELIGNANS)

=> s 17 and acne
9694 ACNE
2137 ACNES
11111 ACNE
(ACNE OR ACNES)
L8 1 L7 AND ACNE

=> d 18

L8 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2010 ACS on STN
AN 2005:696726 CAPLUS
DN 143:159638
TI Method and composition for treating acne using lignan compounds
IN Hwang, Jae-Kwan; Chung, Jae-Youn; Chung, Hee-Chul; Park, Kyung-Min
PA Newtree Industry Co., Ltd., S. Korea
SO PCT Int. Appl., 33 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2005070402	A1	20050804	WO 2005-KR45	20050107
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
KR 2005073027	A	20050713	KR 2004-1207	20040108
JP 2007524666	T	20070830	JP 2006-549118	20050107
US 20090192217	A1	20090730	US 2006-585553	20060706

CN 101410100 A 20090415 CN 2005-80002069 20060707
PRAI KR 2004-1207 A 20040108
WO 2005-KR45 W 20050107

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

OS MARPAT 143:159638

OSC.G 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD

ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> s l7 and bacteria

389789 BACTERIA

165 BACTERIAS

389880 BACTERIA

(BACTERIA OR BACTERIAS)

L9 3 L7 AND BACTERIA

=> d l9

L9 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2010 ACS on STN

AN 2008:477075 CAPLUS

DN 149:99230

TI In vitro anti-biofilm activity of macelignan isolated from
Myristica fragrans Houtt. against oral primary colonizer bacteria

AU Yanti; Rukayadi, Yaya; Kim, Kyu-Hoi; Hwang, Jae-Kwan

CS Department of Biotechnology, Yonsei University, Seoul, 120-749, S. Korea

SO Phytotherapy Research (2008), 22(3), 308-312

CODEN: PHYREH; ISSN: 0951-418X

PB John Wiley & Sons Ltd.

DT Journal

LA English

OSC.G 2 THERE ARE 2 CAPLUS RECORDS THAT CITE THIS RECORD (2 CITINGS)

RE.CNT 20 THERE ARE 20 CITED REFERENCES AVAILABLE FOR THIS RECORD

ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d his

(FILE 'HOME' ENTERED AT 15:24:24 ON 13 MAY 2010)

FILE 'REGISTRY' ENTERED AT 15:27:49 ON 13 MAY 2010

L1 STRUCTURE UPLOADED

L2 24 S L1 SSS FULL

FILE 'CAPLUS' ENTERED AT 15:28:21 ON 13 MAY 2010

L3 84 S L2

L4 5 S L3 AND ANTIBACTERIAL

L5 1 S L3 AND ACNE

L6 3 S L3 AND STAPHYLOCOCCUS

L7 33 S MACELIGNAN

L8 1 S L7 AND ACNE

L9 3 S L7 AND BACTERIA